EAST Search History

EAST Search History (Prior Art)

Ref#	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	(("5518528").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/09/07 11:45
L2	0	I1 and membrane	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/09/07 11:46
L3	0	11 and permea\$5	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/09/07 11:46
L6	7	(("5082481") or ("5518528") or ("6089027") or ("6746645") or ("6491866") or ("6193929") or ("5653951")).PN.	US-PGPUB; USPAT; USOOR	OR	OFF	2009/09/07 11:48
L7	2	L6 and sorbate	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/09/07 11:48
L8	2	L6 and membrane	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/09/07 11:48
L9	1	L7 and L8	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/09/07 11:48
L10	1	("6089027").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/09/07 11:56
L11	1	110 and decomp\$7	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/09/07 11:56
L12	93	["1659263" "1679826" "2047339" "2354283" "2502588" "2553486" "2515288" "25707484" "2793504" "3388962" "3590860" "3689998" "3791412" "3972346" "4485739" "4624443" "4694860" "4744221" "4793379" "4868242" "5280359" "5233837" "5288690" "5518528"	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/09/07 11:56

		"5547229" "5566713" "5595209" "5645192" "5673562" "5678602" "5685159" "5692381" "5694975" "5752544" "5762086" "5901557"). PN. OR ("6089027").URPN.		***************************************	***************************************	***************************************
L13	0	I10 and collect\$4	US-PGPUB; USPAT; USOOR	ADJ	ON	2009/09/07 11:57
L14	1	I10 and membrane	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/09/07 12:00
L15	11	I12 and membrane	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/09/07 12:01
L16	2	I12 and membrane and sorbate	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/09/07 12:05
L17	3	(("5518528") or ("5704965") or ("5704967")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/09/07 12:06
L18	0	I17 and membrane and sorbate	US-PGPUB; USPAT; USOOR	ADJ	ON	2009/09/07 12:06
L19	4490840	@ad< "20031014"	US-PGPUB; USPAT; USOOR	ADJ	ON	2009/09/07 12:14
L20	4	I19 and membrane and sorbate with (adsor\$7 and decomp\$7)	US-PGPUB; USPAT; USOOR	ADJ	ON	2009/09/07 12:15
L21	15	119 and membrane with gas with permea\$7 and sorbate with adsor\$7	US-PGPUB; USPAT; USOOR	ADJ	ON	2009/09/07 12:20
L22	12	119 and membrane with (hydrogen or gas) with permea\$7 and (sorbate or silane or germane or stibine or diborane) with adsor\$7 and decomp\$7	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/09/07 12:23
L23	856	I19 and (sorbate or silane or germane or stibine or diborane) with adsor\$7 and (hydride or silica or carbon near? sieve or alumina or macoreticulate or kieselguhr or aluminsoilicate or membrane near2 hydrogen or perfluorosulfonic)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/09/07 12:38

L24	159	l19 and (sorbate or silane or germane or stibine or diborane) with adsor\$7 and hydride	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/09/07 12:38
L25	18	in and (sorbate or silane or germane or stibine or diborane) with adsor\$7 and hydride and membrane	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/09/07 12:38
L26	0	in and sorbate and (silane or germane or stibine or diborane) with adsor\$7 and hydride and membrane	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/09/07 12:39
L27	6	119 and sorbate with adsor \$7 and hydride and membrane	US-PGPUB; USPAT; USOOR	A DJ	ON	2009/09/07 12:39
L28	1	I1 and (hydride or silica or carbon near2 sieve or alumina or macroreticulate or kieselguhr or aluminosilicate or membrane near2 hydrogen or perfluorosulfonic)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/09/07
L29	11067465	@pd<"20021014"	US-PGPUB; USPAT; USOOR	ADJ	ON	2009/09/07 12:41
L30	7	(US-20040187683-\$).did. or (US-5518528-\$ or US- 6716271-\$ or US-6132492- \$ or US-6110257-\$ or US- 6101816-\$ or US-6089027- \$).did.	US-PGPUB; USPAT	ADJ	ON	2009/09/07 12:42
L31	5	30 and 29	US-PGPUB; USPAT; USOOR	ADJ	ON	2009/09/07 12:42
L32	4	l31 and membrane	US-PGPUB; USPAT; USOOR	ADJ	ON	2009/09/07 12:43
L33	0	I31 and membrane with decomp\$5	US-PGPUB; USPAT; USOOR	ADJ	ON	2009/09/07 12:45
L34	1	I31 and membrane with decomp\$7	US-PGPUB; USPAT; USOOR	ADJ	ON	2009/09/07 12:45
L35	41	(carruthers or arno).in. and sorbate	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/09/07 12:49
L36	5	(carruthers or arno).in. and sorbate and I29	US-PGPUB; USPAT; USOOR	ADJ	ON	2009/09/07 12:49

L37	2	30 and membrane not 31	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/09/07 13:08
L38	2	(("6214089") or ("6224677")).PN.	US-PGPUB; USPAT; USOOR	OR	OFF	2009/09/07 13:13
L39	1	l38 and (sorbate or membrane)	US-PGPUB; USPAT; USOOR	ADJ	ON	2009/09/07 13:14
L40	1	l38 and (sorbate or silane or germane or stibine or diborane)	US-PGPUB; USPAT; USOOR	ADJ	ON	2009/09/07 13:14
L41	5	l31 and hydrogen	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/09/07 13:16
L42	15	119 and sorbate with (adsor \$7 or desor\$7) and (generat\$7 or collect\$4) with hydrogen	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/09/07 13:18
L43	3	(("3720042") or ("4077779")).PN.	US-PGPUB; USPAT; USOOR	OR	OFF	2009/09/07 13:23
L44	0	l43 and sorbate and hydrogen	US-PGPUB; USPAT; USOOR	ADJ	ON	2009/09/07 13:23
L45	O	119 and sorbic with (adsor \$7 or desor\$7) and (generat\$7 or collect\$4) with hydrogen	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/09/07 13:24
L46	197	119 and sorb\$3 with (adsor \$7 or desor\$7) and (generat\$7 or collect\$4) with hydrogen	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/09/07 13:24
L47	182	119 and sorb\$3 with (adsor \$7 or desor\$7) and (generat\$7 or collect\$4) with hydrogen not I42	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/09/07 13:24
L48	27	119 and sorb\$3 near2 gas with (adsor\$7 or desor\$7) and (generat\$7 or collect \$4) with hydrogen not I42	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/09/07 13:25
L49	9	(US-20040187683-\$ or US- 20020112479-\$), did. or (US-5518528-\$ or US- 6716271-\$ or US-6132492- \$ or US-6110257-\$ or US- 6101816-\$ or US-608027- \$ or US-4705541-\$), did.	US-PGPUB; USPAT	ADJ	ON	2009/09/07
L50	7	149 and dispens\$7	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/09/07 13:34

L51	7	(US-20020112479-\$).did. or (US-5518528-\$ or US- 6132492-\$ or US-6110257- \$ or US-6101816-\$ or US- 6089027-\$ or US-4705541- \$).did.	US-PGPUB; USPAT	ADJ	ON	2009/09/07 13:35
L52	5	51 and dispens\$7	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/09/07 13:35
L53	1	I1 and decomp\$7	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/09/07 13:55
L54	1	("6132492").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/09/07 14:03
L55	1	154 and (stor\$4 or dispens \$4 or decomp\$4 or membrane or hydrogen)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/09/07 14:03
L56	1	I54 and hydride same (silane or germane or stibine or diborane)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/09/07 14:27
L57	1	I54 and (silica or sieve or alumina or macroreticulate or kieselguhr or carbon or aluminosilicate)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/09/07 14:31
L58	0	54 and perfluorosulfonic	US-PGPUB; USPAT; USOCR	A DJ	ON	2009/09/07 14:34
L59	0	I54 and modif\$7	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/09/07 14:34
L60	1	l54 and (phosphoric or dope \$4)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/09/07 14:35
L61	1	l54 and (phosphor\$4 same2 dope\$4)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/09/07 14:36
L62	0	54 and fuel cell	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/09/07 14:37
L64	1	I54 and pressure	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/09/07 14:43
L65	1	I54 and pressure and heat \$4	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/09/07 14:48
L66	1	I54 and room temperature	US-PGPUB; USPAT; USOCR	A DJ	ON	2009/09/07 14:53

L67	1	l54 and temperature	US-PGPUB; USPAT; USOOR	ADJ	ON	2009/09/07 14:53
L68	0	l54 and temperature with decompos\$7	US-PGPUB; USPAT; USOOR	ADJ	ON	2009/09/07 14:54
L69	0	l54 and temperature same decompos\$7	US-PGPUB; USPAT; USOOR	ADJ	ON	2009/09/07 14:54
L70	0	l54 and temperature same decomp\$7	US-PGPUB; USPAT; USOOR	ADJ	ON	2009/09/07 14:54
L71	1	l54 and temperature same3 decomp\$7	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/09/07 14:54
L72	1	l54 and hydrogen with metal	US-PGPUB; USPAT; USOOR	ADJ	ON	2009/09/07 14:55
L73	1	l54 and hydrogen same metal	US-PGPUB; USPAT; USOOR	ADJ	ON	2009/09/07 14:56
L74	1	l54 and hydrogen with decomp\$7 same hydride	US-PGPUB; USPAT; USOOR	ADJ	ON	2009/09/07 14:56
L75	1	I54 and (silicon or germanium or boron or antimony)	US-PGPUB; USPAT; USOOR	ADJ	ON	2009/09/07 14:59
L76	7	(US-20020112479-\$).did. or (US-5518528-\$ or US- 6132492-\$ or US-6110257- \$ or US-6101816-\$ or US- 6089027-\$ or US-4705541- \$).did.	US-PGPUB; USPAT	ADJ	ON	2009/09/07 15:04
L77	0	I76 and perfluorosulfonic	US-PGPUB; USPAT; USOOR	ADJ	ON	2009/09/07 15:04
L78	0	I76 and \$3fluro\$7	US-PGPUB; USPAT; USOOR	ADJ	ON	2009/09/07 15:05
L79	0	I76 and \$3fluoro\$7	US-PGPUB; USPAT; USOOR	ADJ	ON	2009/09/07 15:05
L80	0	I76 and boric acid	US-PGPUB; USPAT; USOOR	ADJ	ON	2009/09/07 15:11
L81	0	119 and boric acid with dop \$3 with carbon with adsor \$7	US-PGPUB; USPAT; USOOR	ADJ	ON	2009/09/07 15:13
L82	1	boric acid with dop\$3 with carbon with adsor\$7	US-PGPUB; USPAT; USOOR	ADJ	ON	2009/09/07 15:13

L83	4	boric acid with dop\$3 with (adsor\$7 or sorb\$4)	US-PGPUB; USPAT; USOOR	ADJ	ON	2009/09/07 15:14
L84	2422	boric acid with (adsor\$7 or sorb\$4) not I83	US-PGPUB; USPAT; USOOR	A DJ	ON	2009/09/07 15:15
L85	22	119 and boric acid with (adsor\$7 or sorb\$4) with carbon not I83	US-PGPUB; USPAT; USOOR	ADJ	ON	2009/09/07 15:15
L86	1	119 and boric acid with (adsor\$7 or sorb\$4) with carbon and (generat\$7 or collect\$4) with hydrogen not I83	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/09/07 15:16
L87	417	119 and boric acid with (adsor\$7 or sorbent) not 83 not 185	US-PGPUB; USPAT; USOOR	ADJ	ON	2009/09/07 15:19
L88	22	119 and boric acid with (adsor\$7 or sorbent) and hydrogen with (collect\$4 or generat\$4) not I83 not I85	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/09/07 15:19
L89	952	119 and perfluorosulfonic with membrane	US-PGPUB; USPAT; USOOR	ADJ	ON	2009/09/07 15:27
L90	374	I19 and perfluorosulfonic with membrane and (generat\$4 or collect\$4) with hydrogen	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/09/07 15:27
L91	282	in and perfluorosulfonic with membrane and (generat\$4 or collect\$4) with hydrogen and membrane with hydrogen	US-PGPUB; USPAT; USOOR	ADJ	ON	2009/09/07 15:27
L92	282	i19 and perfluorosulfonic with membrane and (generat\$4 or collect\$4) with hydrogen and membrane with hydrogen not (vinegar or wellington). in.	US-PGPUB; USPAT; USOOR	ADJ	ON	2009/09/07 15:27
L93	49	119 and perfluorosulfonic with membrane with hydrogen	US-PGPUB; USPAT; USOOR	A DJ	ON	2009/09/07 15:28
L94	0	I19 and perfluorosulfonic with membrane with hydrogen and sorbate	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/09/07 15:28
L95	0	119 and perfluorosulfonic with membrane and sorbate	US-PGPUB; USPAT; USOOR	ADJ	ON	2009/09/07 15:28

L96	0	I19 and perfluorosulfonic with membrane and sorbate	US-PGPUB; USPAT; USOOR	ADJ	ON	2009/09/07 15:28
L97	18	I19 and perfluorosulfonic with membrane and (sorbate or silane or germane or stibine or diborane)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/09/07 15:28
L98	0	I19 and perfluorosulfonic with membrane with hydrogen and (sorbate or silane or germane or stibine or diborane)	US-PGPUB; USPAT; USOOR	ADJ	ON	2009/09/07 15:29
L 9 9	0	119 and perfluorosulfonic with membrane same (sorbate or silane or germane or stibine or diborane)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/09/07 15:29
L100	6	I19 and perfluorosulfonic with membrane with hydrogen not fuel cell	US-PGPUB; USPAT; USOOR	A DJ	ON	2009/09/07 15:33
L101	1	176 and fuel cell and sorbate	US-PGPUB; USPAT; USOOR	A DJ	ON	2009/09/07 15:40
L102	678	423/658.2.ccls. or 422/243. ccls.	US-PGPUB; USPAT; USOOR	ADJ	ON	2009/09/07 15:53
L103	12	(advance technology materials.as. or (carruthers or arno).in.) and sorbate and membrane and hydrogen	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/09/07 15:54
S1	1	("20070031325").PN.	US-PGPUB; USPAT; USOOR	OR	OFF	2009/06/29 15:49
82	3	(("5082481") or ("5518528") or ("6089027")).PN.	US-PGPUB; USPAT; USOOR	OR	OFF	2009/06/29 16:08
S 3	7	(("5082481") or ("5518528") or ("6089027") or ("6746645") or ("6491866") or ("6193920") or ("5653951")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/06/29
S4	2	S3 and sorbate	US-PGPUB; USPAT; USOOR	A DJ	ON	2009/06/29 16:08
S5	2	S3 and membrane	US-PGPUB; USPAT; USOOR	A DJ	ON	2009/06/29 16:09

S6	1	("6089027").PN.	US-PGPUB; USPAT; USOOR	OR	OFF	2009/06/29 16:19
S7	1	\$6 and sorbate same adsor \$5	US-PGPUB; USPAT; USOOR	ADJ	ON	2009/06/29 16:19
S8	1	("5518528").PN.	US-PGPUB; USPAT; USOOR	OR	OFF	2009/06/29 16:20
S9	1	S8 and sorbate same adsor \$5	US-PGPUB; USPAT; USOOR	ADJ	ON	2009/06/29 16:20
S10	1	S8 and sorbate same3 adsor\$5	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/29 16:21
S11	1	S8 and decompos\$5	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/29 16:21
S12	1	S8 and sorbate same2 adsor\$5 and decompos\$5	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/29 16:21

9/7/2009 4:04:10 PM

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